

**FIGURE 1A**

| Organism ID            | Di-potassium EDTA |     | Di-ammonium EDTA |     | Di-sodium EDTA |      | Tri- sodium EDTA |      | Tetra-sodium EDTA |       |
|------------------------|-------------------|-----|------------------|-----|----------------|------|------------------|------|-------------------|-------|
|                        | MIC               | MBC | MIC              | MBC | MIC            | MBC  | MIC              | MBC  | MIC               | MBC   |
| S24 Staph. epidermidis | <0.5              | 8   | <0.5             | 4   | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | <0.5  |
| 31 Staph. epidermidis  | <0.5              | 8   | <0.5             | 8   | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | <0.5  |
| 301 Staph. xylosus     | <0.5              | 6   | <0.5             | 4   | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | 20    |
| 300 Staph.capitis      | <0.5              | 10  | <0.5             | 8   | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | 10    |
| J46 Staph.lentus       | <0.5              | 10  | <0.5             | 10  | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | <0.5  |
| S24 Staph.capitis      | <0.5              | 8   | <0.5             | 10  | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | <0.5  |
| R8 Staph. simulans     | <0.5              | 8   | <0.5             | 10  | <0.5           | 1    | <0.5             | 1.5  | <0.5              | 1     |
| 72 S.aureus            | 1                 | 6   | 1                | 6   | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | <0.5  |
| R57 S.aureus           | 1                 | 8   | 1                | 10  | <0.5           | 10   | <0.5             | <0.5 | <0.5              | 8     |
| R13 S.aureus           | 1                 | 6   | 1                | 15  | <0.5           | 10   | <0.5             | <0.5 | <0.5              | <0.5  |
| R30 S.aureus           | 1                 | 8   | 1                | 15  | <0.5           | 10   | <0.5             | <0.5 | -----             | ----- |
| 8 S.aureus             | 1                 | 8   | 1                | 10  | <0.5           | <0.5 | <0.5             | <0.5 | -----             | ----- |
| R64 MRSA               | 1                 | 6   | 1                | 8   | <0.5           | <0.5 | <0.5             | <0.5 | <0.5              | <0.5  |

**FIGURE 1B**

| Organism ID                 | Di-potassium EDTA |     | Di-ammonium EDTA |     | Di-sodium EDTA |       | Tri- sodium EDTA |       | Tetra-sodium EDTA |       |
|-----------------------------|-------------------|-----|------------------|-----|----------------|-------|------------------|-------|-------------------|-------|
|                             | MIC               | MBC | MIC              | MBC | MIC            | MBC   | MIC              | MBC   | MIC               | MBC   |
| R51 MRSA                    | 1                 | 10  | 1                | 6   | <0.5           | 1     | <0.5             | <0.5  | <0.5              | <0.5  |
| R92 MRSA                    | 1                 | 8   | 1                | >15 | <0.5           | 10    | <0.5             | <0.5  | <0.5              | <0.5  |
| S93 MRSA                    | 1                 | 8   | 1                | 10  | <0.5           | <0.5  | <0.5             | <0.5  | <0.5              | <0.5  |
| J67 MRSA                    | 1                 | 8   | 1                | 10  | <0.5           | 10    | <0.5             | <0.5  | <0.5              | <0.5  |
| R8 VRE                      | <0.5              | 8   | <0.5             | 15  | <0.5           | 100   | <0.5             | <0.5  | <0.5              | 30    |
| Woods VRE                   | 1                 | 8   | 1                | >15 | <0.5           | 100   | <0.5             | <0.5  | <0.5              | 1     |
| S77 Enterococcus Faecium    | <0.5              | 8   | <0.5             | 15  | <0.5           | 100   | <0.5             | <0.5  | <0.5              | 6     |
| S76 Enterococcus faecalis   | 1                 | 15  | 1                | 15  | <0.5           | 100   | <0.5             | <0.5  | <0.5              | 40    |
| 68 Klebsiella pneumoniae    | 1.5               | 15  | 4                | >10 | 8              | 60    | 20               | 40    | 6                 | 6     |
| R51 Klebsiella pneumoniae   | 1                 | 15  | 1.5              | >10 | -----          | ----- | -----            | ----- | -----             | ----- |
| 128 Klebsiella oxytoca      | 1                 | 15  | 1                | >10 | 1              | 90    | 4                | 20    | 4                 | 6     |
| J7 Klebsiella ornitholytica | 1                 | >15 | 1                | >10 | 1              | 60    | 20               | 70    | 4                 | 8     |
| 250 E. coli                 | 1                 | >15 | 1                | >10 | 1.5            | 80    | 10               | 20    | 1.5               | 1.5   |
| B/C E. coli                 | 1                 | 15  | 1.5              | >10 | -----          | ----- | -----            | ----- | -----             | ----- |

FIGURE 1C

| Organism ID                 | Di-potassium EDTA |       | Di-ammonium EDTA |      | Di-sodium EDTA |       | Tri- sodium EDTA |       | Tetra-sodium EDTA |       |
|-----------------------------|-------------------|-------|------------------|------|----------------|-------|------------------|-------|-------------------|-------|
|                             | MIC               | MBC   | MIC              | MBC  | MIC            | MBC   | MIC              | MBC   | MIC               | MBC   |
| 137 E. coli                 | 1                 | 15    | 4                | >10  | 4              | 60    | 4                | 10    | 2                 | 2     |
| 292 Ent. cloacae            | 4                 | 15    | 4                | >10  | 4              | >100  | 20               | 20    | 6                 | 15    |
| 190 Ent. cloacae            | 4                 | >15   | 4                | >10  | 4              | 100   | 20               | 20    | 6                 | 15    |
| J22 Ent. cloacae            | 6                 | >15   | <0.5             | >10  | 6              | >100  | 20               | 20    | 6                 | 10    |
| R4 Steno. maltophilia       | <0.5              | 10    | 1                | >10  | -----          | ----- | -----            | ----- | -----             | ----- |
| B/C Pseudomonas aeruginosa  | 1                 | >15   | 1                | >10  | -----          | ----- | -----            | ----- | -----             | ----- |
| J20 Pseudomonas aeruginosa  | 1                 | >15   | 1                | >10  | <0.5           | 50    | 4                | 20    | 2                 | 4     |
| J26 Pseudomonas sp.         | 1                 | 15    | <0.5             | >10  | <0.5           | 25    | 4                | 60    | 8                 | 4     |
| R75 Coryne. amycolatum      | <0.5              | <0.5  | <0.5             | 1    | NG             | NG    | NG               | NG    | <0.5              | 20    |
| R23 Coryne. strait/amy      | <0.5              | <0.5  | <0.5             | 1    | NG             | NG    | NG               | NG    | <0.5              | <0.5  |
| 177 Acinetobacter baumannii | <0.5              | <0.5  | <0.5             | <0.5 | <0.5           | <0.5  | <0.5             | <0.5  | <0.5              | <0.5  |
| J44 Acinetobacter baumannii | <0.5              | 60-70 | <0.5             | >10  | <0.5           | 1     | <0.5             | <0.5  | <0.5              | <0.5  |

**FIGURE 1D**

| Organism ID           | Di-potassium EDTA |     | Di-ammonium EDTA |     | Di-sodium EDTA |     | Tri- sodium EDTA |     | Tetra-sodium EDTA |     |
|-----------------------|-------------------|-----|------------------|-----|----------------|-----|------------------|-----|-------------------|-----|
|                       | MIC               | MBC | MIC              | MBC | MIC            | MBC | MIC              | MBC | MIC               | MBC |
| R16 Proteus mirabilis | <0.5              | >15 | <0.5             | >10 | <0.5           | 50  | <0.5             | 40  | <0.5              | 15  |
| R81 Proteus vulgaris  | 1                 | >15 | <0.5             | >10 | <0.5           | 15  | <0.5             | 40  | <0.5              | 8   |
| R26 Proteus mirabilis | <0.5              | 15  | <0.5             | >10 | <0.5           | 50  | <0.5             | 60  | 1                 | 15  |

**FIGURE 2**

| Organism ID                 | Tetra-sodium MIC | Tetra-sodium MBC | Di-potassium MIC | Di-potassium MBC | Di-ammonium MIC | Di-ammonium MBC |
|-----------------------------|------------------|------------------|------------------|------------------|-----------------|-----------------|
| J96 Candida albicans        | 0.5              | 15               | 0.5              | >100             | 0.5             | >100            |
| J92 Candida albicans        | 0.5              | 15               | 0.5              | >100             | 0.5             | >100            |
| Myc. Candida albicans       | 0.5              | 0.5              | 0.5              | >100             | 0.5             | >100            |
| I98 Candida lucitaniae      | 0.5              | 6                | 0.5              | >100             | 0.5             | >100            |
| Myc. Candida tropicalis     | 0.5              | 10               | 1                | >100             | 1               | 100             |
| Myc. Candida Guilliermondii | 0.5              | 0.5              | 0.5              | >100             | 0.5             | >100            |
| Myc. Candida glabrata       | 0.5              | 2                | 0.5              | >100             | 0.5             | 90              |
| Myc. Candida parapsilosis   | 0.5              | 8                | 0.5              | >100             | 0.5             | 100             |
| J96 Candida glabrata        | 0.5              | 8                | 0                | 100              | 0.5             | >100            |

**FIGURE 3A**

| Organism ID                | Cupric Di-sodium EDTA |      | Magnesium Di-sodium EDTA |     | Ferric sodium EDTA |     |
|----------------------------|-----------------------|------|--------------------------|-----|--------------------|-----|
|                            | MIC                   | MBC  | MIC                      | MBC | MIC                | MBC |
| S24 Staph. epidermidis     | <0.5                  | <0.5 | 6                        | 30  | >20                | >30 |
| 31 Staph. epidermidis      | <0.5                  | <0.5 | 6                        | 30  | >20                | >30 |
| 301 Staph. xylosus         | <0.5                  | <0.5 | 2                        | >30 | >20                | >30 |
| 300 Staph. capitis         | <0.5                  | <0.5 | 1.5                      | >30 | >20                | >30 |
| J46 Staph. lentus          | <0.5                  | <0.5 | 6                        | >30 | >20                | >30 |
| S24 Staph. capitis         | <0.5                  | <0.5 | 6                        | >30 | >20                | >30 |
| R8 Staph. simulans         | <0.5                  | <0.5 | 1.5                      | >30 | >20                | >30 |
| 72 S.aureus                | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| R57 S.aureus               | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| R13 S.aureus               | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| R30 S.aureus               | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| 8 S.aureus                 | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| R64 MRSA                   | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| R51 MRSA                   | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| R92 MRSA                   | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| S93 MRSA                   | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| J67 MRSA                   | <0.5                  | <0.5 | 25                       | >30 | 2                  | >30 |
| R8 VRE                     | <0.5                  | <0.5 | >30                      | >30 | >20                | >30 |
| Woods VRE                  | >30                   | >30  | >30                      | >30 | 4                  | >30 |
| S77 Entero-coccus faecium  | <0.5                  | <0.5 | 1.5                      | >30 | 4                  | >30 |
| S76 Entero-coccus faecalis | <0.5                  | <0.5 | >30                      | >30 | >15                | >15 |
| 68 Klebsiella pneumoniae   | >30                   | >30  | >30                      | >30 | 15                 | >15 |
| R51 Klebsiella pneumoniae  | >30                   | >30  | >30                      | >30 |                    |     |

**FIGURE 3B**

| Organism ID                 | Cupric Di-sodium EDTA |      | Magnesium Di-sodium EDTA |      | Ferric sodium EDTA |     |
|-----------------------------|-----------------------|------|--------------------------|------|--------------------|-----|
|                             | MIC                   | MBC  | MIC                      | MBC  | MIC                | MBC |
| 128 Klebsiella oxytoca      | >30                   | >30  | >30                      | >30  | >15                | >15 |
| J7 Klebsiella ornitholytica | >30                   | >30  | >30                      | >30  | 15                 | >15 |
| 250 E. coli                 | >30                   | >30  | >30                      | >30  | 15                 | >15 |
| B/C E. coli                 | 6                     | >30  | >30                      | >30  | >15                | >15 |
| 137 E. coli                 | >30                   | >30  | >30                      | >30  | >15                | >15 |
| 292 Ent. cloacae            | >30                   | >30  | >30                      | >30  | >15                | >15 |
| 190 Ent. cloacae            | >30                   | >30  | >30                      | >30  | >15                | >15 |
| J22 Ent. cloacae            | 6                     | 8    | >30                      | >30  | 10                 | >15 |
| R4 Steno. maltophilia       | 6                     | >30  | >30                      | >30  | 15                 | >15 |
| B/C Pseudomonas aeruginosa  | >30                   | >30  | >30                      | >30  | 15                 | >15 |
| J20 Pseudomonas aeruginosa  | >30                   | >30  | >30                      | >30  | 15                 | >15 |
| J26 Pseudomonas sp.         | <0.5                  | <0.5 | <0.5                     | 4    | 10                 | 10  |
| R75 Coryne. amycolatium     | <0.5                  | <0.5 | <0.5                     | 4    | 10                 | 10  |
| R23 Coryne. strait/amy      | <0.5                  | <0.5 | <0.5                     | <0.5 | 6                  | 10  |
| 177 Acinetobacter baumannii | 6                     | 15   | >30                      | >30  | >15                | >15 |
| J44 Acinetobacter baumannii | 6                     | >30  | >30                      | >30  | >15                | >15 |
| R16 Proteus mirabilis       | >30                   | >30  | >30                      | .30  | >15                | >15 |
| R81 Proteus vulgaris        | 6                     | >30  | >30                      | >30  | >15                | >15 |
| R26 Proteus mirabilis       | 6                     | >30  | >30                      | >30  | >15                | >15 |

**FIGURE 4A**

| Organism<br>ID         | Cupric<br>Di-sodium+ tetrasodium<br>EDTA |     | Cupric Di-sodium +<br>Di-potassium EDTA |     | Cupric Di-sodium +<br>Di-ammonium EDTA |     |
|------------------------|--|-----|---|-----|--|-----|
|                        | MIC                                      | MBC | MIC                                     | MBC | MIC                                    | MBC |
| S24 Staph. epidermidis | 0.25                                     | 2   | 0.25                                    | 15  | 0.5                                    | 20  |
| 31 Staph. epidermidis  | 0.25                                     | 8   | 0.25                                    | 20  | 0.5                                    | 20  |
| 301 Staph. xylosus     | <0.1                                     | >20 | <0.1                                    | >20 | <0.1                                   | 20  |
| 300 Staph. capitis     | <0.1                                     | >20 | <0.1                                    | 20  | <0.1                                   | 20  |
| J46 Staph. lentus      | 0.25                                     | 6   | 0.25                                    | 15  | 0.5                                    | 20  |
| S24 Staph. capitis     | 0.25                                     | 8   | 0.25                                    | 20  | 0.5                                    | 20  |
| R8 Staph. simulans     | 0.25                                     | >20 | 1                                       | >20 | 1                                      | 20  |
| 72 S.aureus            | <0.1                                     | >20 | <0.1                                    | >20 | <0.1                                   | 20  |
| R57 S.aureus           | <0.1                                     | >20 | <0.1                                    | 20  | <0.1                                   | 20  |
| R13 S.aureus           | <0.1                                     | >20 | <0.1                                    | 20  | <0.1                                   | >20 |
| R30 S.aureus           | <0.1                                     | 15  | <0.1                                    | 20  | <0.1                                   | >20 |
| 8 S.aureus             | <0.1                                     | >20 | <0.1                                    | >20 | <0.1                                   | 20  |
| R64 MRSA               | <0.1                                     | >20 | <0.1                                    | >20 | <0.1                                   | >20 |
| R51 MRSA               | <0.1                                     | >20 | <0.1                                    | 20  | <0.1                                   | >20 |



**FIGURE 4B**

| Organism ID                 | Cupric Di-sodium + tetrasodium EDTA |     | Cupric Di-sodium + Di-potassium EDTA |     | Cupric Di-sodium + Di-ammonium EDTA |     |
|-----------------------------|-------------------------------------|-----|--------------------------------------|-----|-------------------------------------|-----|
|                             | MIC                                 | MBC | MIC                                  | MBC | MIC                                 | MBC |
| R92 MRSA                    | <0.1                                | >20 | <0.1                                 | >20 | <0.1                                | >20 |
| S93 MRSA                    | <0.1                                | 15  | <0.1                                 | 20  | <0.1                                | 20  |
| J67 MRSA                    | <0.1                                | >20 | <0.1                                 | 20  | <0.1                                | 20  |
| R8 VRE                      | 0.25                                | 20  | 0.25                                 | 20  | 0.5                                 | >20 |
| Woods VRE                   | 0.25                                | >20 | <0.1                                 | 20  | <0.1                                | >20 |
| S77 Entero-coccus faecium   | 0.5                                 | >20 | 0.5                                  | >20 | 1                                   | >20 |
| S76 Entero-coccus faecalis  | 0.25                                | >20 | <0.1                                 | >20 | <0.1                                | >20 |
| 68 Klebsiella pneumoniae    | 10                                  | >20 | 6                                    | >20 | 2                                   | >20 |
| R51 Klebsiella pneumoniae   | 4                                   | >20 | 4                                    | >20 | 2                                   | >20 |
| 128 Klebsiella oxytoca      | 4                                   | >20 | 2                                    | >20 | 2                                   | >20 |
| J7 Klebsiella ornitholytica | 6                                   | >20 | 2                                    | >20 | 2                                   | >20 |
| 250 E. coli                 | 6                                   | 15  | 2                                    | >20 | 2                                   | >20 |
| B/C E. coli                 | 6                                   | 1   | 2                                    | >20 | 2                                   | >20 |
| 137 E. coli                 | 6                                   | 4   | 2                                    | >20 | 2                                   | >20 |
| 292 Ent. cloacae            | 20                                  | >20 | 8                                    | >20 | 8                                   | >20 |

FIGURE 4C

| Organism ID                 | Di-sodium + tetrasodium EDTA |      | Cupric Di-potassium EDTA |      | Cupric Di-sodium + Di-ammonium EDTA |      |
|-----------------------------|------------------------------|------|--------------------------|------|-------------------------------------|------|
|                             | MIC                          | MBC  | MIC                      | MBC  | MIC                                 | MBC  |
| 190 Ent. cloacae            | 20                           | >20  | 8                        | >20  | 6                                   | >20  |
| J22 Ent. cloacae            | 20                           | >20  | 8                        | >20  | 6                                   | >20  |
| R4 Steno. maltophilia       | 6                            | 10   | 1                        | >20  | 1                                   | >20  |
| B/C Pseudo-monas aeruginosa | 6                            | 10   | 2                        | >20  | 2                                   | >20  |
| J20 Pseudo-monas aeruginosa | 6                            | 15   | 2                        | >20  | 2                                   | >20  |
| J26 Pseudo-monas sp.        | 6                            | >20  | 2                        | >20  | 2                                   | >20  |
| R75 Coryne. amycolatum      | <0.1                         | <0.1 | 0.25                     | 0.25 | 0.25                                | 0.25 |
| R23 Coryne. strait/amy      | 6                            | 10   | 1                        | >20  | 1                                   | >20  |
| 177 Acinetobacter baumannii | 6                            | 0.5  | 0.5                      | 0.25 | 0.25                                | <0.1 |
| J44 A. baumannii            | 6                            | >20  | 2                        | >20  | 1                                   | >20  |
| R16 Proteus mirabilis       | 6                            | >20  | 2                        | >20  | 1                                   | >20  |
| R81 Proteus vulgaris        | 6                            | >20  | 2                        | >20  | 2                                   | >20  |
| R26 Proteus mirabilis       | 6                            | >20  | 2                        | >20  | 1                                   | >20  |

FIGURE 5A

| Organism ID            | Tetrasodium + Di-ammonium EDTA |     | Tetrasodium + Di-potassium EDTA |     | Di- ammonium + Di-potassium EDTA |     |
|------------------------|--------------------------------|-----|---------------------------------|-----|----------------------------------|-----|
|                        | MIC                            | MBC | MIC                             | MBC | MIC                              | MBC |
| S24 Staph. epidermidis | 0.5                            | >20 | 1                               | 20  | 0.5                              | >8  |
| 31 Staph. epidermidis  | 0.5                            | >20 | 1                               | 6   | 0.5                              | >8  |
| 301 Staph. xylosus     | 0.5                            | >20 | 1                               | >20 | 0.5                              | >8  |
| 300 Staph. capitis     | 0.5                            | >20 | 1                               | >20 | 0.5                              | 8   |
| J46 Staph. lentus      | 0.5                            | >20 | 0.5                             | 8   | 0.5                              | >8  |
| S24 Staph. capitis     | 0.5                            | >20 | 0.5                             | 8   | 0.5                              | >8  |
| R8 Staph. simulans     | 0.5                            | >20 | 0.5                             | >20 | 0.5                              | >8  |
| 72 S.aureus            | 1                              | >20 | 0.5                             | 20  | 0.5                              | 8   |
| R57 S.aureus           | 1                              | >20 | 1                               | 20  | 1                                | >8  |
| R13 S.aureus           | 0                              | 0   | 0                               | 0   | 0                                | 0   |
| R30 S.aureus           | 1                              | 4   | 1                               | 4   | 1                                | 8   |
| 8 S.aureus             | 1                              | >20 | 1                               | 20  | 1                                | 8   |
| R64 MRSA               | 1                              | >20 | 1                               | 20  | 1                                | >8  |
| R51 MRSA               | 1                              | >20 | 1                               | 20  | 0.5                              | >8  |

FIGURE 5B

| Organism ID                 | Tetrasodium + Di-ammonium EDTA |     | Tetrasodium + Di-potassium EDTA |     | Di- ammonium + Di-potassium EDTA |     |
|-----------------------------|--------------------------------|-----|---------------------------------|-----|----------------------------------|-----|
|                             | MIC                            | MBC | MIC                             | MBC | MIC                              | MBC |
| R92 MRSA                    | 1                              | >20 | 1                               | >20 | 1                                | >8  |
| S93 MRSA                    | 1                              | >20 | 1                               | 20  | 1                                | 8   |
| J67 MRSA                    | 1                              | >20 | 1                               | >20 | 1                                | 8   |
| R8 VRE                      | 1                              | >20 | 1                               | >20 | 1                                | >8  |
| Woods VRE                   | 1                              | >20 | 1                               | >20 | 1                                | >8  |
| S77 Enterococcus faecium    | 0.5                            | >20 | 1                               | >20 | 1                                | >8  |
| S76 Enterococcus faecalis   | 1                              | >20 | 1                               | >20 | 1                                | >8  |
| 68 Klebsiella pneumoniae    | >20                            | >20 | >20                             | >20 | 10                               | >10 |
| R51 Klebsiella pneumoniae   | 1                              | >20 | 1                               | >20 | 1                                | >10 |
| 128 Klebsiella oxytoca      | 1                              | >20 | 1                               | >20 | 1                                | >10 |
| J7 Klebsiella ornitholytica | >20                            | >20 | 20                              | >20 | 10                               | >10 |
| 250 E. coli                 | >20                            | >20 | 20                              | >20 | 2                                | >10 |
| B/C E. coli                 | 1                              | 0.5 | 1                               | 1   | 0.5                              | >10 |
| 137 E. coli                 | 4                              | >20 | 20                              | >20 | 1                                | >10 |
| 292 Ent. cloacae            | 8                              | >20 | >20                             | >20 | 4                                | >10 |

**FIGURE 5C**

| Organism ID                 | Tetrasodium + Di-ammonium EDTA |     | Tetrasodium + Di-potassium EDTA |     | Di- ammonium + Di-potassium EDTA |     |
|-----------------------------|--------------------------------|-----|---------------------------------|-----|----------------------------------|-----|
|                             | MIC                            | MBC | MIC                             | MBC | MIC                              | MBC |
| 190 Ent. cloacae            | >20                            | >20 | >20                             | >20 |                                  | >10 |
| J22 Ent. cloacae            | >20                            | >20 | >20                             | >20 |                                  | >10 |
| R4 Steno. maltophilia       | 1                              | >20 | 1                               | >20 |                                  | >10 |
| B/C Pseudo-monas aeruginosa | 8                              | >20 | 15                              | 15  | 2                                | >10 |
| J20 Pseudo-monas aeruginosa | 6                              | >20 | 15                              | 20  | 2                                | >10 |
| J26 Pseudo-monas sp.        | 8                              | >20 | 20                              | >20 | 2                                | >10 |
| R75 Coryne. amycolatum      | 0.5                            | 4   | 0.5                             | 1   | 0.5                              | 2   |
| R23 Coryne. strait/amy      | 0.5                            | 0.5 | 0.5                             | 0.5 |                                  | 0.5 |
| 177 Acinetobacter baumannii | 4                              | 8   | 1                               | >20 | 0.5                              | >10 |
| J44 A. baumannii            | >20                            | >20 | >20                             | >20 | 2                                | >10 |
| R16 Proteus mirabilis       | 1                              | >20 | 1                               | >20 | 0.5                              | >10 |
| R81 Proteus vulgaris        | 1                              | >20 | 1                               | >20 | 0.5                              | >10 |
| R26 Proteus mirabilis       | >20                            | >20 | >20                             | >20 | 2                                | >10 |

**FIGURE 6**

| Organism                        | Tetra-sodium EDTA MBEC<br>(mg/ml, w/v) |
|---------------------------------|--|
| 31 Staph. epidermidis           | 20-40                                  |
| 301 Staph. xylosus              | 20-40                                  |
| 300 Staph. capitis              | <5                                     |
| J46 Staph. lentus               | <5                                     |
| R8 Staph. simulans              | 20-40                                  |
| 72 Staph. aureus                | <5                                     |
| R57 Staph. aureus               | <5                                     |
| 8 Staph. aureus                 | <5                                     |
| R92 MRSA                        | <5                                     |
| S93 MRSA                        | <5                                     |
| J67 MRSA                        | <5                                     |
| 68 Klebsiella pneumoniae        | <5                                     |
| J7 Klebsiella ornitholytica     | <5                                     |
| 292 Enterobacter cloacae        | <5                                     |
| 190 Enterobacter cloacae        | 20                                     |
| J22 Enterobacter cloacae        | 15                                     |
| R4 Stenotrophomonas maltophilia | <20                                    |
| J20 Pseudomonas aeruginosa      | <10                                    |
| J26 Pseudomonas aeruginosa      | <5                                     |
| J44 Acinetobacter baumannii     | 10                                     |
| R16 Proteus mirabilis           | <5                                     |
| R81 Proteus vulgaris            | <5                                     |
| H Enterococcus                  | <5                                     |
| 7097651 E. coli                 | <5                                     |
| 250 E. coli                     | <10                                    |
| 7115649 Klebsiella oxytoca      | <5                                     |

FIGURE 7

| Catheter ID | EDTA Conc. (mg/mL) | Colony count at 0 hours (cfu/mL) | Colony count at 3 hours (cfu/mL) | Colony count at 6 hours (cfu/mL) | Colony count at 24 hours (cfu/mL) | Organisms Present                           |
|-------------|--------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|---|
| G           | 40                 | >100000                          | 120000                           | 6000                             | 0                                 | Mixed Gram+ve and Gram+ve cultures          |
| H           | 40                 | >100000                          | 80000                            | 0                                | 0                                 | Mixed Gram+ve and Gram+ve cultures          |
| I           | 40                 | 200000                           | >500000                          | 25000                            | 0                                 | CNS + Coryneforms                           |
| J           | 40                 | >500000                          | 180000                           | 0                                | 0                                 | CNS   |
| K           | 40                 | >1000000                         | 600000                           | 500000                           | 180000                            | Streptococcus sp., CNS and Gram+ve bacillus |
| P           | 40                 | >500000                          | 2500000                          | 150000                           | 54500                             | Pseudomonas sp. + Streptococcus sp.         |
| Q           | 40                 | 205000                           | 650000                           | 1000                             | 5500                              | Enterococcus sp.                            |
| R           | 40                 | 5000                             | 500                              | 0                                | 0                                 | MRSA  |
| S           | 40                 | >500000                          | 100000                           | 30000                            | 0                                 | CNS   |
| T           | 40                 | 137500                           | 1000                             | 0                                | 0                                 | MRSA  |
| U           | 40                 | >500000                          | 182500                           | 67500                            | 13500                             | CNS   |
| V           | 40                 | 700000                           | 38500                            | 37500                            | 13000                             | CNS + Group D Streptococcus                 |
| W           | 40                 | >500000                          | 0                                | 0                                | 0                                 | Enterobacter cloacae                        |
| X           | 40                 | >500000                          | 20000                            | 0                                | 0                                 | Mixed CNS                                   |
| Z           | 40                 | >500000                          | 0                                | 0                                | 0                                 | CNS   |
| A1          | 40                 | 700000                           | 37000                            | 60000                            | 0                                 | MRSA  |
| B1          | 40                 | 24000                            | 0                                | 0                                | 0                                 | MRSA  |

**FIGURE 8**

| Catheter ID  | EDTA Conc. (mg/mL) | Colony count at 0 hours (cfu/mL) | Colony count at 3 hours (cfu/mL) | Colony count at 6 hours (cfu/mL) | Colony count at 24 hours (cfu/mL) | Organisms Present                   |
|--------------|--------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|-------------------------------------|
| A            | 100                | 10000000                         | 0                                | 0                                | 0                                 | CNS                                 |
| B            | 100                | 10000000                         | 100                              | 200                              | 0                                 | CNS                                 |
| C            | 50                 | 10000000                         | 0                                | 0                                | 0                                 | Mixed coliforms                     |
| D            | 20                 | >100000                          | 250000                           | 100000                           | 0                                 | Mixed Gram -ve and Gram+ve cultures |
| E            | 30                 | >100000                          | 400000                           | 360000                           | 0                                 | Mixed Gram -ve and Gram+ve cultures |
| F            | 30                 | 300000                           | 57000                            | 2000                             | 0                                 | Mixed Gram -ve and Gram+ve cultures |
| L            | 60                 | 600000                           | 5000                             | 4000                             | 0                                 | Enterococcus sp.                    |
| M            | 60                 | >500000                          | 300000                           | 17000                            | 17000                             | Proteus sp. and CNS                 |
| O            | 50                 | 500000                           | 30000                            | 130000                           | 0                                 | Staphylococcus aureus               |
| N (arterial) | 50                 | 500000                           | 10000                            | 0                                | 0                                 | CNS                                 |
| N (venous)   | 50                 | 300000                           | 10000 (CNS only)                 | 60000 (CNS only)                 | 0                                 | Klebsiella pneumoniae + CNS         |